Subject: DRUM SPECIFICATIONS/ADJUSTMENTS | Bulletin No: 55

☐ Factory Modification ☐ Field Modification ☐ Safety Information ☐ Technical Information ☐ General Information ☒ Adv. Tech Information	Applies to:	Modification Schedule: ☐ TBS ☐ Next Call ☐ Next PM ☒ As Necessary	Factory Installed _____ Field Installed _____ Fitting Time _____

Subject: Oil deposits (New Machines/New Drum Units)

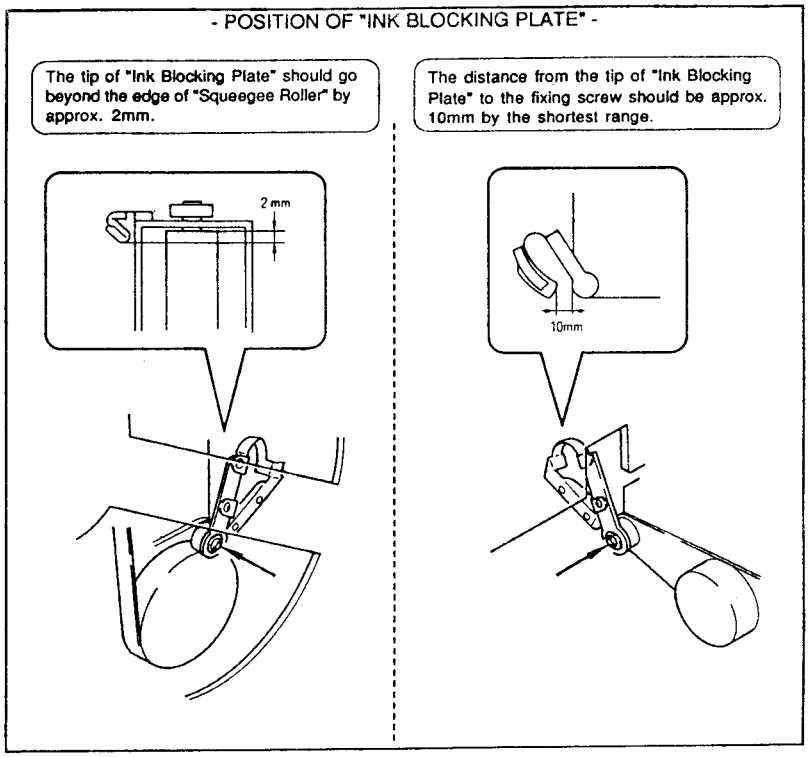
Concern: Recent Emergency Telephone Requests (ETR's) have been reporting excessive oil deposits on the bottom core of new drums and new machines.

Comment: The oil residue in these units is due to the pump manufacturing process. When the pump is manufactured, it is filled with a light oil to insure the pump will prime itself when the first ink bottle is installed. It is recommended that this oil be removed at installation and should not be regarded as a problem.

CRITICAL ADJUSTMENTS

Subject: Ink Blocking Plate Adjustment Specification

This adjustment insures that the ink is kept within the image area of the drum screen.


- POSITION OF "INK BLOCKING PLATE" -
The tip of "Ink Blocking Plate" should go beyond the edge of "Squeegee Roller" by approx. 2mm.
The distance from the tip of "Ink Blocking Plate" to the fixing screw should be approx. 10mm by the shortest range.
2mm
10mm

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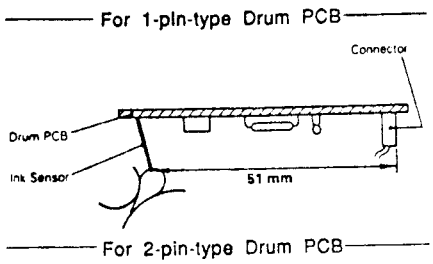
Subject: Drum PCB Adjustment

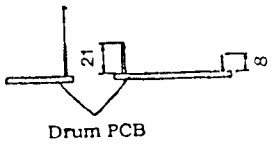
This adjustment insures the proper size ink bead (11 mm). Also, it insures the proper amount of ink in the drum unit.

- Squeegee Unit Area -

3. The position of Ink Sensor (Pin)



Ink probe to be set at a right angle



Subject: Squeegee/Doctor Roller Adjustment

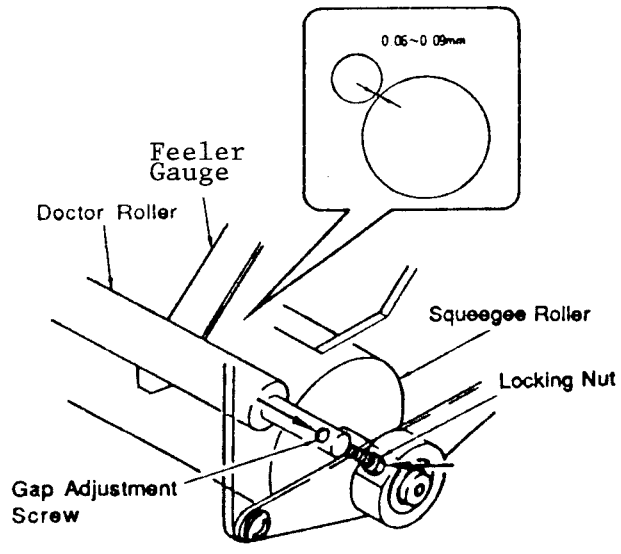
This adjustment is for copy quality and even density side to side. It is preferable to keep this adjustment on the .06 side of the specification.

- GAP ADJUSTMENT BETWEEN SQUEEGEE AND DOCTOR ROLLERS -

With "Gap Adjustment Screw"

1. Remove all ink from the inside of "Squeegee Unit".
2. Loosen the locking nuts on both ends of "Squeegee Roller".
3. Turn "Gap Adjustment Screw" on both ends so that the gap can be equal between 0.06 to 0.09mm from end to end.
4. Tighten the locking nut holding "Gap Adjustment Screw" in this condition.

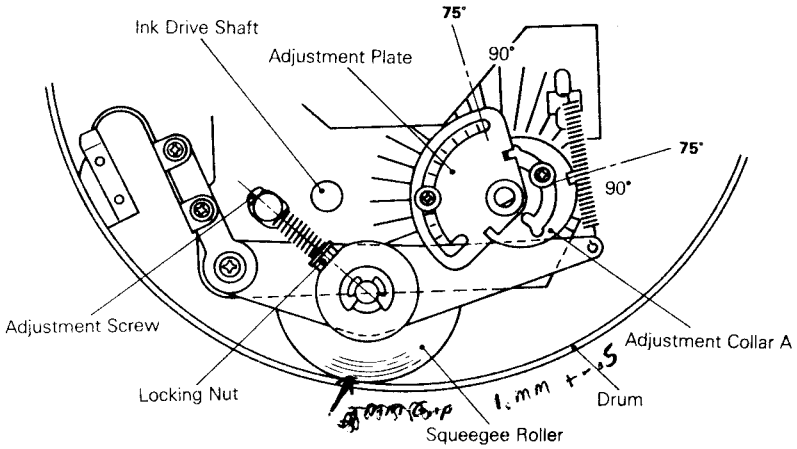
* MAKE SURE THAT THE GAP IS EVEN FROM END TO END AFTER TIGHTENING THE NUT.



Subject: DRUM SPECIFICATIONS/ADJUSTMENTS

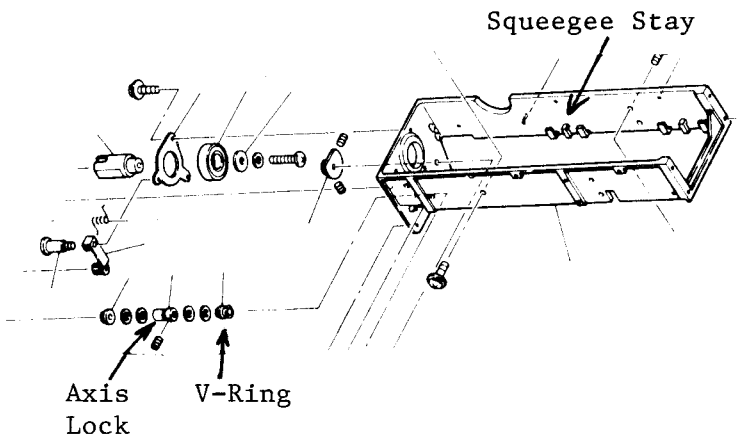
Subject: **Squeegee Roller to Drum Gap: 1 mm +-.1**

This adjustment insures copy quality balance side to side. This is not measurable by a feeler gauge; but by pushing on the drum body both front and rear. There should be approximately 2 mm between the drum body and squeegee roller.



Subject: **Ink Seepage from the Squeegee Drive Shaft**

Reason: **The "V" ring is migrating out of the squeegee stay due to vibrations loosening the axis lock.**

Corrective Action: **Reinstall the "V" ring properly. Adjust axis lock, and secure lock screw with Lock-Tight to hold "V" ring in the proper position.**

Note: A washer may be necessary to take up any excess slack in this area in order to seal the squeegee stay properly.